

June 10

# Work Order ID 59135

Wednesday, May 26, 2010 1:54:30 PM



Page 1

Item ID: D4039-041

Accept



Setup Start



Revision ID:

Item Name: Fwd Bracket Assembly

Stop



Start Date: 5/26/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 6/4/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date: 10-3-26

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4039

A

100

0.00



Small Fab

Memo

0.00

Small Fab

1- Assemble lanyard to bracket as per dwg

*[Signature]* 10/06/09 (2)

110

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

*Sidaglor*

(42)

120

Identify as per dwg & Stock Location: 192

0.00



Packaging

Memo

0.00

Packaging

(X2) *[Signature]* 10/06/10

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**Work Order ID 59135**

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Page 2

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Item Name: Fwd Bracket Assembly

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Start Date: 5/26/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 6/4/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/06/10 [Signature]  
me  
10-6-10

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, May 26, 2010 1:54:35 PM

Page 1

Work Order ID: 59135

Parent Item: D4039-041

Parent Item Name: Fwd Bracket Assembly




Comments: IPP RevA: new issue DD 09.12.15 verified by:EC

Start Date: 5/26/2010

Required Date: 6/4/2010

Start Qty: 2.00

Required Qty: 2.00

| Component Item ID/<br>Item Name   | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand  | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|-----------------|-------------|--------------|---------------|----------------|--------|
| <br>D4039-1<br>Fwd Bracket      |                        | Manufactured  | No          |                     |                  | 100             | Each               | 0.0000          | 1           | 2            |               |                |        |
| <br>D2690-6<br>Lanyard Assembly |                        | Manufactured  | No          |                     |                  | 100             | Each               | 32.0000         | 1           | 2            |               |                |        |
|   |                        |               |             |                     |                  | <u>Location</u> | <u>Loc Qty</u>     | <u>Loc Code</u> |             |              |               |                |        |
|   |                        |               |             |                     |                  | ST021           | 32                 |                 |             |              |               |                |        |
|   |                        |               |             |                     |                  | 58375           | 32                 |                 |             |              |               |                |        |
| <br>BLRS-010<br>Pip Pin         |                        | Purchased     | No          |                     |                  | 100             | Each               | 37.0000         | 1           | 2            |               |                |        |
|   |                        |               |             |                     |                  | <u>Location</u> | <u>Loc Qty</u>     | <u>Loc Code</u> |             |              |               |                |        |
|   |                        |               |             |                     |                  | ST283           | 37                 |                 |             |              |               |                |        |
|   |                        |               |             |                     |                  | 112689          | 17                 |                 |             |              |               |                |        |
|   |                        |               |             |                     |                  | 113779          | 20                 |                 |             |              |               |                |        |
| <br>MS27039-1-11<br>Screw     |                        | Purchased     | No          |                     |                  | 100             | Each               | 81.0000         | 1           | 2            |               |                |        |
|   |                        |               |             |                     |                  | <u>Location</u> | <u>Loc Qty</u>     | <u>Loc Code</u> |             |              |               |                |        |
|   |                        |               |             |                     |                  | ST291           | 81                 |                 |             |              |               |                |        |
|   |                        |               |             |                     |                  | 9662            | 81                 |                 |             |              |               |                |        |

B59137 (20)

ES 5/26/09

ES 5/26/09

ES 5/26/09

ES 5/26/09

ES 5/26/09

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, May 26, 2010 1:54:35 PM

Page 2

Work Order ID: 59135

Parent Item: D4039-041

Parent Item Name: Fwd Bracket Assembly


Comments: IPP RevA: new issue DD 09.12.15 verified by:EC

Start Date: 5/26/2010

Required Date: 6/4/2010

Start Qty: 2.00

Required Qty: 2.00

| Component Item ID/<br>Item Name   | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| MS21042L3<br><br>Nut |                        | Purchased     | No          |                     |                  | 100             | Each               | 1,710.000      | 1           | 2            |               |                |        |



*EP 10/06/09*

Location

Loc Qty

Loc Code

ST300

1710

113537

20

113644

190

114523

1000

114718

500

2

NAS1149D0363J

Purchased

No

100

Each

674.0000

3

6



Washer



*EP 10/06/09*

Location

Loc Qty

Loc Code

ST298

674

113288

2

114292

672

6

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

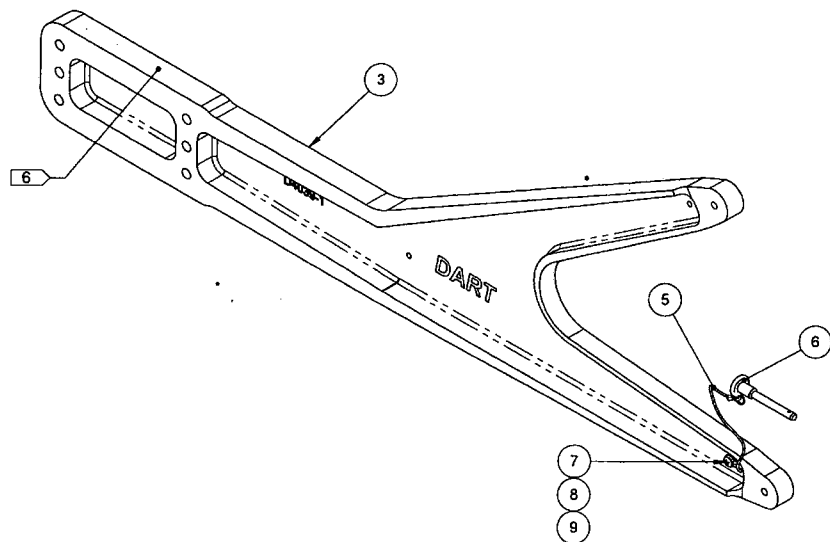
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

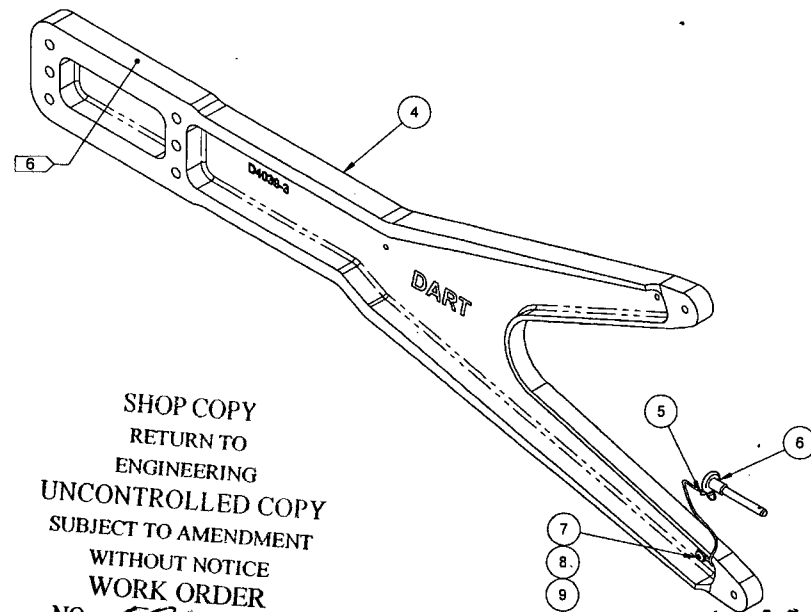
**NOTE:** Date & initial all entries



| ITEM NO. | QTY.<br>-041 | QTY.<br>-043 | PART NUMBER   | DESCRIPTION          |
|----------|--------------|--------------|---------------|----------------------|
| 1        | X            |              | D4039-041     | FWD BRACKET ASSEMBLY |
| 2        |              | X            | D4039-043     | AFT BRACKET ASSEMBLY |
| 3        | 1            |              | D4039-1       | FWD BRACKET          |
| 4        |              | 1            | D4039-3       | AFT BRACKET          |
| 5        | 1            | 1            | D2690-6       | LANYARD              |
| 6        | 1            | 1            | BLRS-010      | PIP PIN              |
| 7        | 1            | 1            | MS27039-1-11  | SCREW                |
| 8        | 1            | 1            | MS21042L3     | NUT                  |
| 9        | 3            | 3            | NAS1149D0363J | WASHER               |



**D4039-041 FWD BRACKET ASSEMBLY**



**D4039-043 AFT BRACKET ASSEMBLY**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 59135

*PA10-5-24*

**RELEASED**  
2010-04-14

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4039-041/-043" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: N/A

| REV.       | NEW ISSUE | DESCRIPTION | BY | DATE |
|------------|-----------|-------------|----|------|
| DESIGN     |           |             |    |      |
| DRAWN      |           |             |    |      |
| CHECKED    |           |             |    |      |
| MFG. APPR. |           |             |    |      |
| APPROVED   |           |             |    |      |
| DE APPR.   |           |             |    |      |
| DATE       | 09.12.14  |             |    |      |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4039** REV. A  
SHEET 1 OF 3  
TITLE **BRACKET** SCALE NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
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| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
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| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

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|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries